S/N 10/563,861

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 NEWS IPC8      For general information regarding STN implementation of IPC 8
 NEWS X25       X.25 communication option no longer available
 NEWS PRICE     STN 2007 Prices

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FILE 'HOME' ENTERED AT 12:18:41 ON 31 DEC 2006

=> set abbr on perm
SET COMMAND COMPLETED

=> set plurals on perm
SET COMMAND COMPLETED

=> file uspatall caplus japio
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'USPATFULL' ENTERED AT 12:19:06 ON 31 DEC 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 12:19:06 ON 31 DEC 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 12:19:06 ON 31 DEC 2006
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FILE 'JAPIO' ENTERED AT 12:19:06 ON 31 DEC 2006
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=> e selo jean-loic/au
E1            1     SELO J L/AU
E2           10     SELO JEAN LOIC/AU
E3            0 --> SELO JEAN-LOIC/AU
E4            1     SELO JL/AU
E5            6     SELO M/AU
E6            1     SELO M M/AU
E7           14     SELO MADELEINE/AU
E8            4     SELO MUHAMMED/AU
E9            1     SELO MUHAMMED M/AU
E10           1     SELO MYRIAM/AU
E11           8     SELOCHNIK L I/AU
E12           7     SELOCHNIK N N/AU

=> s e2
L1           10 "SELO JEAN LOIC"/AU

=> d l1 1-10 ibib abs

L1   ANSWER 1 OF 10  USPATFULL on STN
ACCESSION NUMBER:       2006:248437  USPATFULL
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S/N 10/563,861

TITLE: Process for the (co-)polymerisation of ethylene in the gas phase
INVENTOR(S): Selo, Jean-Loic, Saint-Gingolph, FRANCE
PATENT ASSIGNEE(S): Innovene Europe Limited, Middlesex, UNITED KINGDOM, TW18 1DT (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2006211833	A1	20060921	
APPLICATION INFO.:	US 2004-563861	A1	20040708	(10)
	WO 2004-GB2956		20040708	
			20060509	PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-358010	20030711

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: NIXON & VANDERHYE, PC, 901 NORTH GLEBE ROAD, 11TH FLOOR, ARLINGTON, VA, 22203, US
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1-4
NUMBER OF DRAWINGS: 36 Drawing Page(s)
LINE COUNT: 454
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a process for improving the start up of polymerization or copolymerization of ethylene in a gas phase reactor, preferably a fluidized bed gas phase reactor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 2 OF 10 USPATFULL on STN
ACCESSION NUMBER: 2005:209449 USPATFULL
TITLE: Rotomoulding polyethylene and method for producing said rotomoulding polyethylene
INVENTOR(S): Arnoux, Jacques, Martigues, FRANCE
Meurice, Estelle, St Mitre les Remparts, FRANCE
Selo, Jean-Loic, Sausset les Pins, FRANCE

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005181932	A1	20050818	
APPLICATION INFO.:	US 2003-513173	A1	20030501	(10)
	WO 2003-GB1885		20030501	

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-358009	20020503

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 40 Drawing Page(s)
LINE COUNT: 303
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a method for producing rotomoulding polyethylene by fluidised bed gas phase polymerisation of ethylene. The present invention further relates to the improved rotomoulding polyethylene obtainable by the invention process.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 3 OF 10 USPATFULL on STN

ACCESSION NUMBER:	2005:190261 USPATFULL			
TITLE:	Method for reducing sheeting and agglomerates during olefin polymerisation			
INVENTOR(S):	Lunas, Jean-Richard, Marseille, FRANCE Selo, Jean-Loic, Sausset Les Pins, FRANCE			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005165179	A1	20050728	
APPLICATION INFO.:	US 2004-14901	A1	20041220	(11)
	NUMBER		DATE	
PRIORITY INFORMATION:	EP 2000-430010		20000306	
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	APPLICATION			
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow,, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315, US			
NUMBER OF CLAIMS:	8			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	8 Drawing Page(s)			
LINE COUNT:	800			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a method for reducing/suppressing sheeting or agglomerates during polymerisation of olefins, especially during the fluidised bed gas phase polymerisation of olefins. In particular, the present invention relates to a method for reducing/suppressing sheeting or agglomerates during the product grade transition and/or catalyst transitions occuring polymerisation of olefins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 4 OF 10 USPATFULL on STN

ACCESSION NUMBER:	2004:308133 USPATFULL			
TITLE:	Process for the gas-phase (co-)polymerisation of olefins in a fluidised bed reactor			
INVENTOR(S):	Gallice, Alexandre, Lille, FRANCE Reiling, Vince, Vauvanargues, FRANCE Selo, Jean-Loic, Sausset Les Pins, FRANCE			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004242809	A1	20041202	
	US 6946530	B2	20050920	
APPLICATION INFO.:	US 2004-492755	A1	20040416	(10)
	WO 2002-GB4495		20021004	
	NUMBER		DATE	
PRIORITY INFORMATION:	EP 2001-430031		20011019	
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	APPLICATION			
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 1300 I STREET, NW, WASHINGTON, DC, 20005			
NUMBER OF CLAIMS:	11			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	1 Drawing Page(s)			
LINE COUNT:	515			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for the gas-phase (co-)polymerisation of olefins in a fluidised bed reactor wherein fouling is prevented and/or flowability of polymer is improved thanks to the use of a process aid additive.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 5 OF 10 USPAT2 on STN
ACCESSION NUMBER: 2004:308133 USPAT2
TITLE: Process for the gas-phase (co-)polymerization of olefins in a fluidized bed reactor
INVENTOR(S): Gallice, Alexandre, Lille, FRANCE
Reiling, Vince, Vauvenargues, FRANCE
Selo, Jean-Loic, Sausset les Pins, FRANCE
PATENT ASSIGNEE(S): BP Chemicals Limited, Middlesex, UNITED KINGDOM (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6946530	B2	20050920	
	WO 2003003354		20030424	
APPLICATION INFO.:	US 2004-492755		20021004	(10)
	WO 2002-GB4495		20021004	
			20040416	PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2001-430031	20011019

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Cheung, William K.
LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow, Garrett and Dunner, L.L.P.
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 515
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a process for the gas-phase (co-)polymerization of olefins in a fluidized bed reactor wherein fouling is prevented and/or flowability of polymer is improved thanks to the use of a process aid additive.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:74135 CAPLUS
DOCUMENT NUMBER: 142:135153
TITLE: Process for the (co)polymerization of ethylene in the gas phase
INVENTOR(S): Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007712	A1	20050127	WO 2004-GB2970	20040708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

EP 1644423	A1	20060412	EP 2004-743312	20040708
EP 1644423	B1	20061213		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1823097	A	20060823	CN 2004-80019964	20040708
PRIORITY APPLN. INFO.:			EP 2003-358009 A	20030711
			WO 2004-GB2970 W	20040708

AB Process for the (co)polymerization in the gas phase of ethylene by bringing the said ethylene into contact, under (co)polymerization conditions in a reactor in which the startup bed is fluidized and/or agitated with mech. stirring, with a catalyst system, which process comprises a pre-startup operation characterized in that, prior to the introduction of the catalytic system in the reactor, it comprises the following steps (A) determining the d. d and melt index MI of the polyethylene powders (grade slate) to be produced at startup, (B) heating the startup bed by controlling the temperature inside the reactor such that (a) the temperature is maintained at least 0.5 below the sintering temperature of the startup bed, and (b) the temperature is maintained at a value equal or higher than the one corresponding to a RTSE value 4.4 for the d and MI values of the polyethylene powder to be produced.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:74134 CAPLUS
DOCUMENT NUMBER: 142:135152
TITLE: Process for the (co)polymerization of ethylene in the gas phase
INVENTOR(S): Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007711	A1	20050127	WO 2004-GB2956	20040708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1644422	A1	20060412	EP 2004-743298	20040708
EP 1644422	B1	20061206		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

CN 1849347	A	20061018	CN 2004-80019838		20040708
US 2006211833	A1	20060921	US 2006-563861		20060509
PRIORITY APPLN. INFO.:			EP 2003-358010	A	20030711
			WO 2004-GB2956	W	20040708

AB Process for the (co)polymerization in the gas phase of ethylene by bringing the said ethylene into contact, under (co)polymerization conditions in a reactor in which the startup bed is fluidized and/or agitated with mech. stirring, with a catalyst system, which process comprises a pre-startup operation characterized in that, prior to the introduction of the catalytic system in the reactor, it comprises the following steps (A) determining the d. d and melt index MI of the polyethylene powder to be produced at startup, (B) heating the startup bed by controlling the temperature inside the reactor such that (a) the temperature is maintained at least 0.5° below the sintering temperature of the startup bed, and (b) the temperature is maintained at a value equal or higher than the one corresponding to a RTSE value 4.4 for the d and MI values of the polyethylene powder to be produced.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:4816 CAPLUS
DOCUMENT NUMBER: 141:207633
TITLE: Fluid dynamic numerical simulation of a gas phase polymerization reactor
AUTHOR(S): Gobin, Anne; Neau, Herve; Simonin, Olivier; Llinas, Jean-Richard; Reiling, Vince; Selo, Jean-Loic
CORPORATE SOURCE: Institut de Mecanique des Fluides de Toulouse-UMR CNRS-INPT-UPS, Toulouse, 31400, Fr.
SOURCE: International Journal for Numerical Methods in Fluids (2003), 43(10-11), 1199-1220
CODEN: IJNFDW; ISSN: 0271-2091
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Fluid dynamic simulations of ethylene polymerization in a dense fluidized bed reactor were carried out using the two-phase flow numerical code ESTET-ASTRID developed by Electricite de France for CFB boilers and based on the two-fluid modeling approach. The continuous phase consists of gas and the dispersed phase consists of catalyst particles. The particle fluctuating motion is modeled using two-sep. transport equations, on the particle kinetic energy and the fluid-particle covariance, developed in the frame of kinetic theory of granular medium accounting for particle-particle and fluid-particle interactions. Time-dependent 2D and 3D simulations were performed for operation conditions of industrial and pilot scale reactors. The numerical predictions are in good qual. agreement with the observed operation, in terms of bed height, pressure drop, and mean flow organization, such as down-falling of PE particle layer along the walls. The simulations provide information about instantaneous and time-averaged solid concentration and velocity fields. Characteristic mechanisms and influence of model closure assumptions on flow predictions were also studied. The numerical simulations are powerful tools, when validated on exhaustive data collection, to improve design and performance of industrial facilities and to provide insight into complex phys. mechanisms.

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:319940 CAPLUS
DOCUMENT NUMBER: 138:322100

S/N 10/563,861

TITLE: Process for gas-phase (co)polymerization of olefins in fluidized bed reactor with preventing fouling
INVENTOR(S): Gallice, Alexandre; Reiling, Vince; Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK; BP Lavera SNC
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033543	A1	20030424	WO 2002-GB4495	20021004
WO 2003033543	A9	20050915		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1308464	A1	20030507	EP 2001-430031	20011019
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1444270	A1	20040811	EP 2002-765089	20021004
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1571799	A	20050126	CN 2002-820698	20021004
US 2004242809	A1	20041202	US 2004-492755	20040416
US 6946530	B2	20050920		

PRIORITY APPLN. INFO.: EP 2001-430031 A 20011019
WO 2002-GB4495 W 20021004

AB The polyolefin with improved flowability is prepared by gas-phase (co)polymerization of an olefin (e.g., ethylene and 1-hexene) in a fluidized bed reactor in the presence of a process aid additive comprising ≥1 component selected from a fatty acid glycerol ester [e.g., Atmer 129 (glycerol monostearate) or Mazol GMO (glycerol monooleate)], a fatty acid sorbitan ester [e.g., Atmer 110 (sorbitan polyoxyethylene ester)] and an alkylamine carboxylate, along with ≥1 component selected from hydrogen peroxide and/or water, and a salt.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:676828 CAPLUS
DOCUMENT NUMBER: 135:211450
TITLE: Method for reducing sheeting and agglomerates during olefin polymerization
INVENTOR(S): Llinas, Jean-Richard; Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK; BP Chemicals S.N.C.
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2001066610	A1	20010913	WO 2001-GB920		20010302
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2402072	A1	20010913	CA 2001-2402072		20010302
EP 1263809	A1	20021211	EP 2001-907983		20010302
EP 1263809	B1	20060531			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
JP 2003525983	T	20030902	JP 2001-565774		20010302
BR 2001008743	A	20040629	BR 2001-8743		20010302
AT 328013	T	20060615	AT 2001-907983		20010302
EP 1688444	A2	20060809	EP 2006-76117		20010302
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
ZA 2002006809	A	20031126	ZA 2002-6809		20020826
US 2003144432	A1	20030731	US 2002-220040		20021119
US 2005165179	A1	20050728	US 2004-14901		20041220
PRIORITY APPLN. INFO.:			EP 2000-430010	A	20000306
			EP 2001-907983	A3	20010302
			WO 2001-GB920	W	20010302

AB The present invention relates to a method for reducing/suppressing sheeting or agglomerates during polymerization of olefins, especially during the fluidized bed gas phase polymerization of olefins by controlling the operation temperature to maintain the polymer particles in their high-temperature optimum operating window and no reversible agglomeration. In particular, the present invention relates to a method for reducing/suppressing sheeting or agglomerates during the product grade transition and/or catalyst transitions occurring polymerization of olefins. Thus, ethylene and butene were polymerized by controlling temperature at 86-96°.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> s rtse value
L2            4 RTSE VALUE

=> s rtse
L3          102 RTSE

=> d l2 1-4 ibib abs

L2   ANSWER 1 OF 4  USPATFULL on STN
ACCESSION NUMBER:        2006:248437  USPATFULL
TITLE:                   Process for the (co-)polymerisation of ethylene in the
                         gas phase
INVENTOR(S):             Selo, Jean-Loic, Saint-Gingolph, FRANCE
PATENT ASSIGNEE(S):      Innovene Europe Limited, Middlesex, UNITED KINGDOM,
                         TW18 1DT (non-U.S. corporation)

                              NUMBER         KIND    DATE
                         ---------------- ------ --------
PATENT INFORMATION:      US 2006211833      A1   20060921
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APPLICATION INFO.:	US 2004-563861	A1	20040708	(10)
	WO 2004-GB2956		20040708	
			20060509	PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-358010	20030711

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: NIXON & VANDERHYE, PC, 901 NORTH GLEBE ROAD, 11TH FLOOR, ARLINGTON, VA, 22203, US
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1-4
NUMBER OF DRAWINGS: 36 Drawing Page(s)
LINE COUNT: 454
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for improving the start up of polymerization or copolymerization of ethylene in a gas phase reactor, preferably a fluidized bed gas phase reactor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 2 OF 4 USPATFULL on STN
ACCESSION NUMBER: 2005:209449 USPATFULL
TITLE: Rotomoulding polyethylene and method for producing said rotomoulding polyethylene
INVENTOR(S): Arnoux, Jacques, Martigues, FRANCE
Meurice, Estelle, St Mitre les Remparts, FRANCE
Selo, Jean-Loic, Sausset les Pins, FRANCE

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005181932	A1	20050818	
APPLICATION INFO.:	US 2003-513173	A1	20030501	(10)
	WO 2003-GB1885		20030501	

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-358009	20020503

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 40 Drawing Page(s)
LINE COUNT: 303
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a method for producing rotomoulding polyethylene by fluidised bed gas phase polymerisation of ethylene. The present invention further relates to the improved rotomoulding polyethylene obtainable by the invention process.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:74135 CAPLUS
DOCUMENT NUMBER: 142:135153
TITLE: Process for the (co)polymerization of ethylene in the gas phase
INVENTOR(S): Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK
SOURCE: PCT Int. Appl., 53 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007712	A1	20050127	WO 2004-GB2970	20040708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1644423	A1	20060412	EP 2004-743312	20040708
EP 1644423	B1	20061213		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1823097	A	20060823	CN 2004-80019964	20040708

PRIORITY APPLN. INFO.: EP 2003-358009 A 20030711
WO 2004-GB2970 W 20040708

AB Process for the (co)polymerization in the gas phase of ethylene by bringing the said ethylene into contact, under (co)polymerization conditions in a reactor in which the startup bed is fluidized and/or agitated with mech. stirring, with a catalyst system, which process comprises a pre-startup operation characterized in that, prior to the introduction of the catalytic system in the reactor, it comprises the following steps (A) determining the d. d and melt index MI of the polyethylene powders (grade slate) to be produced at startup, (B) heating the startup bed by controlling the temperature inside the reactor such that (a) the temperature is maintained at least 0.5 below the sintering temperature of the startup bed, and (b) the temperature is maintained at a value equal or higher than the one corresponding to a RTSE value 4.4 for the d and MI values of the polyethylene powder to be produced.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:74134 CAPLUS
DOCUMENT NUMBER: 142:135152
TITLE: Process for the (co)polymerization of ethylene in the gas phase
INVENTOR(S): Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007711	A1	20050127	WO 2004-GB2956	20040708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

EP 1644422	A1	20060412	EP 2004-743298		20040708
EP 1644422	B1	20061206			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK					
CN 1849347	A	20061018	CN 2004-80019838		20040708
US 2006211833	A1	20060921	US 2006-563861		20060509
PRIORITY APPLN. INFO.:			EP 2003-358010	A	20030711
			WO 2004-GB2956	W	20040708

AB Process for the (co)polymerization in the gas phase of ethylene by bringing the said ethylene into contact, under (co)polymerization conditions in a reactor in which the startup bed is fluidized and/or agitated with mech. stirring, with a catalyst system, which process comprises a pre-startup operation characterized in that, prior to the introduction of the catalytic system in the reactor, it comprises the following steps (A) determining the d. d and melt index MI of the polyethylene powder to be produced at startup, (B) heating the startup bed by controlling the temperature inside the reactor such that (a) the temperature is maintained at least 0.5° below the sintering temperature of the startup bed, and (b) the temperature is maintained at a value equal
or higher than the one corresponding to a RTSE value
4.4 for the d and MI values of the polyethylene powder to be produced.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l3 and (gas (1a) phase)(4a)(polymer? or copolymer?0
UNMATCHED LEFT PARENTHESIS '4A)(POLYMER?'
The number of right parentheses in a query must be equal to the number of left parentheses.

=> s l3 and (gas (1a) phase)(4a)(polymer? or copolymer?)
L4 5 L3 AND (GAS (1A) PHASE)(4A)(POLYMER? OR COPOLYMER?)

=> d l4 1-5 ibib abs

L4 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER:	2006:248437 USPATFULL		
TITLE:	Process for the (co-)polymerisation of ethylene in the gas phase		
INVENTOR(S):	Selo, Jean-Loic, Saint-Gingolph, FRANCE		
PATENT ASSIGNEE(S):	Innovene Europe Limited, Middlesex, UNITED KINGDOM, TW18 1DT (non-U.S. corporation)		
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006211833	A1	20060921
APPLICATION INFO.:	US 2004-563861	A1	20040708 (10)
	WO 2004-GB2956		20040708
			20060509 PCT 371 date
	NUMBER		DATE
PRIORITY INFORMATION:	EP 2003-358010		20030711
DOCUMENT TYPE:	Utility		

S/N 10/563,861

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: NIXON & VANDERHYE, PC, 901 NORTH GLEBE ROAD, 11TH FLOOR, ARLINGTON, VA, 22203, US
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1-4
NUMBER OF DRAWINGS: 36 Drawing Page(s)
LINE COUNT: 454
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a process for improving the start up of polymerization or copolymerization of ethylene in a gas phase reactor, preferably a fluidized bed gas phase reactor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2005:209449 USPATFULL
TITLE: Rotomoulding polyethylene and method for producing said rotomoulding polyethylene
INVENTOR(S): Arnoux, Jacques, Martigues, FRANCE
Meurice, Estelle, St Mitre les Remparts, FRANCE
Selo, Jean-Loic, Sausset les Pins, FRANCE

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005181932	A1	20050818	
APPLICATION INFO.:	US 2003-513173	A1	20030501	(10)
	WO 2003-GB1885		20030501	

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-358009	20020503

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 40 Drawing Page(s)
LINE COUNT: 303
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a method for producing rotomoulding polyethylene by fluidised bed gas phase polymerisation of ethylene. The present invention further relates to the improved rotomoulding polyethylene obtainable by the invention process.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:74135 CAPLUS
DOCUMENT NUMBER: 142:135153
TITLE: Process for the (co)polymerization of ethylene in the gas phase
INVENTOR(S): Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007712	A1	20050127	WO 2004-GB2970	20040708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1644423	A1	20060412	EP 2004-743312	20040708
EP 1644423	B1	20061213		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1823097	A	20060823	CN 2004-80019964	20040708
PRIORITY APPLN. INFO.:			EP 2003-358009 A	20030711
			WO 2004-GB2970 W	20040708

AB Process for the (co)polymerization in the gas phase of ethylene by bringing the said ethylene into contact, under (co)polymerization conditions in a reactor in which the startup bed is fluidized and/or agitated with mech. stirring, with a catalyst system, which process comprises a pre-startup operation characterized in that, prior to the introduction of the catalytic system in the reactor, it comprises the following steps (A) determining the d. d and melt index MI of the polyethylene powders (grade slate) to be produced at startup, (B) heating the startup bed by controlling the temperature inside the reactor such that (a) the temperature is maintained at least 0.5 below the sintering temperature of the startup bed, and (b) the temperature is maintained at a value equal or higher than the one corresponding to a RTSE value 4.4 for the d and MI values of the polyethylene powder to be produced.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:74134 CAPLUS
DOCUMENT NUMBER: 142:135152
TITLE: Process for the (co)polymerization of ethylene in the gas phase
INVENTOR(S): Selo, Jean-Loic
PATENT ASSIGNEE(S): BP Chemicals Limited, UK
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007711	A1	20050127	WO 2004-GB2956	20040708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,				

AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1644422	A1	20060412	EP 2004-743298	20040708
EP 1644422	B1	20061206		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1849347	A	20061018	CN 2004-80019838	20040708
US 2006211833	A1	20060921	US 2006-563861	20060509
PRIORITY APPLN. INFO.:			EP 2003-358010 A	20030711
			WO 2004-GB2956 W	20040708

AB Process for the (co)polymerization in the gas phase of ethylene by bringing the said ethylene into contact, under (co)polymerization conditions in a reactor in which the startup bed is fluidized and/or agitated with mech. stirring, with a catalyst system, which process comprises a pre-startup operation characterized in that, prior to the introduction of the catalytic system in the reactor, it comprises the following steps (A) determining the d. d and melt index MI of the polyethylene powder to be produced at startup, (B) heating the startup bed by controlling the temperature inside the reactor such that (a) the temperature is maintained at least 0.5° below the sintering temperature of the startup bed, and (b) the temperature is maintained at a value equal or higher than the one corresponding to a RTSE value 4.4 for the d and MI values of the polyethylene powder to be produced.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:870491 CAPLUS
DOCUMENT NUMBER: 139:338361
TITLE: Rotomoldable ethylene polymers
PATENT ASSIGNEE(S): BP Lavera SNC, Fr.
SOURCE: Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1359168	A1	20031105	EP 2002-358009	20020503
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CA 2485372	A1	20031113	CA 2003-2485372	20030501
WO 2003093332	A1	20031113	WO 2003-GB1885	20030501
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003229970	A1	20031117	AU 2003-229970	20030501
EP 1507810	A1	20050223	EP 2003-722809	20030501
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1649915	A	20050803	CN 2003-810009	20030501

S/N 10/563,861

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    US 2005181932        A1    20050818    US 2003-513173          20030501
PRIORITY APPLN. INFO.:                     EP 2002-358009      A   20020503
                                           WO 2003-GB1885      W   20030501
AB   Rotomoldable ethylene polymers having d. 930-944 kg/m3 and melt index
     3-7.8 are manufactured by fluidized bed gas phase
     polymerization of ethylene at a temperature such that the RTSE factor
     is 4.2-4.4, so that the d. of the product varies at ±3 kg/m3 and the
     melt index varies ±30%.
REFERENCE COUNT:          9     THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> s ((fluidized or fluidised)(2a)bed)(10a)(ethylene or ethene)
L5        1576 ((FLUIDIZED OR FLUIDISED)(2A) BED)(10A)(ETHYLENE OR ETHENE)

=> s ((fluidized or fluidised)(2a)bed)(s)(sinter?(1a)temperature#)
L6         212 ((FLUIDIZED OR FLUIDISED)(2A) BED)(S)(SINTER?(1A) TEMPERATURE#)

=> s l5 and l6
L7          80 L5 AND L6

=> s l7 and (melt index###)(6a)density
L8          16 L7 AND (MELT INDEX###)(6A) DENSITY

=> d l8 1-16 ibib abs

L8   ANSWER 1 OF 16  USPATFULL on STN
ACCESSION NUMBER:       2006:248437  USPATFULL
TITLE:                  Process for the (co-)polymerisation of ethylene in the
                        gas phase
INVENTOR(S):            Selo, Jean-Loic, Saint-Gingolph, FRANCE
PATENT ASSIGNEE(S):     Innovene Europe Limited, Middlesex, UNITED KINGDOM,
                        TW18 1DT (non-U.S. corporation)

                             NUMBER      KIND    DATE
                        --------------- ------ --------
PATENT INFORMATION:     US 2006211833     A1   20060921
APPLICATION INFO.:      US 2004-563861    A1   20040708  (10)
                        WO 2004-GB2956         20040708
                                               20060509  PCT 371 date

                               NUMBER         DATE
                        ------------------ --------
PRIORITY INFORMATION:   EP 2003-358010     20030711
DOCUMENT TYPE:          Utility
FILE SEGMENT:           APPLICATION
LEGAL REPRESENTATIVE:   NIXON & VANDERHYE, PC, 901 NORTH GLEBE ROAD, 11TH
                        FLOOR, ARLINGTON, VA, 22203, US
NUMBER OF CLAIMS:       7
EXEMPLARY CLAIM:        1-4
NUMBER OF DRAWINGS:     36 Drawing Page(s)
LINE COUNT:             454
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB      The present invention relates to a process for improving the start up of
        polymerization or copolymerization of ethylene in a gas phase
        reactor, preferably a fluidized bed gas phase
        reactor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8   ANSWER 2 OF 16  USPATFULL on STN
ACCESSION NUMBER:       2005:306606  USPATFULL
TITLE:                  Polymer molding compositions
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